

GONIOPHOTOMETERS SYSTEM TEST REPORT

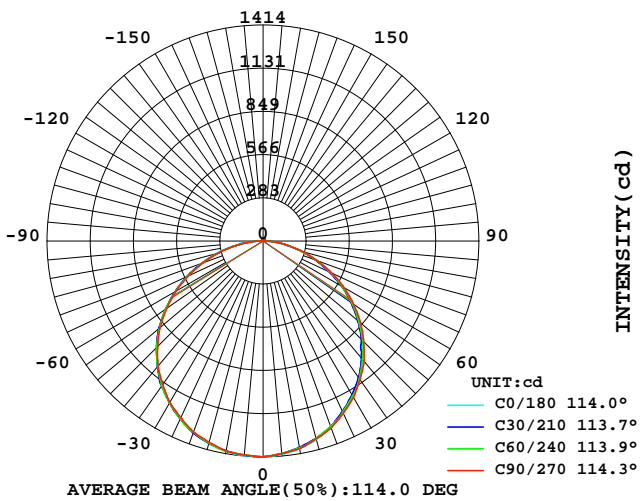
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 17110713

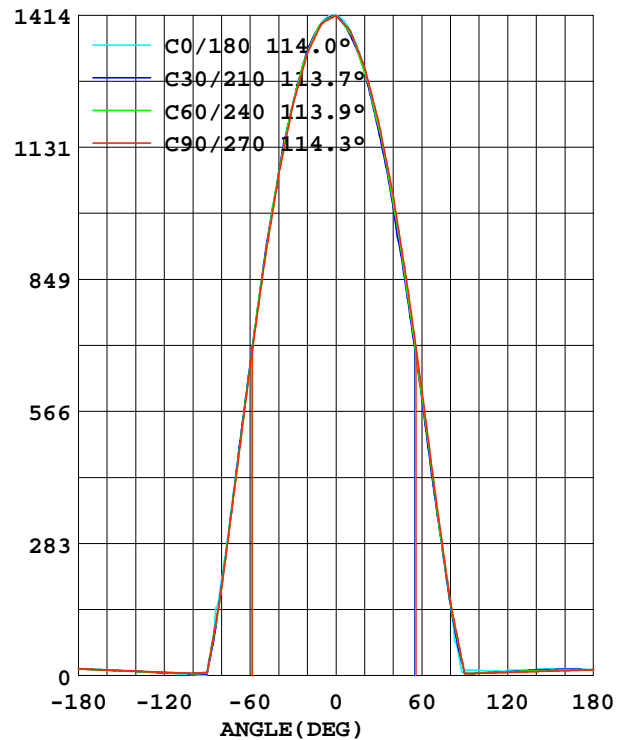
MANUFACTURER: SGSLight Limited		Address:	
NAME: TLP-30120-36-NW-120	TYPE:LED Panel Light	WEIGHT:	
SPECIFICATION:4000K CRI>80	DIMENSION: 296x1196mm	SERIAL No.:17110713	

DATA OF LAMP		Imax(cd)	1414	S/MH(C0/180)	1.28
MODEL	4000K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.28
NOMINAL POWER(W)	36	TOTAL FLUX(lm)	4155.4	Voltage(V)	219.5
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	117.7	Current(A)	0.164
NOMINAL FLUX(lm)	4155.4	η up(%)	1.2	Power(W)	35.29
LAMPS QUANTITY	1	η down(%)	98.8	Power Factor(PF)	0.977
TEST VOLTAGE(V)	219.5	Effictive Flux(lm)	4045.0	EEI	0.119

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-11-07

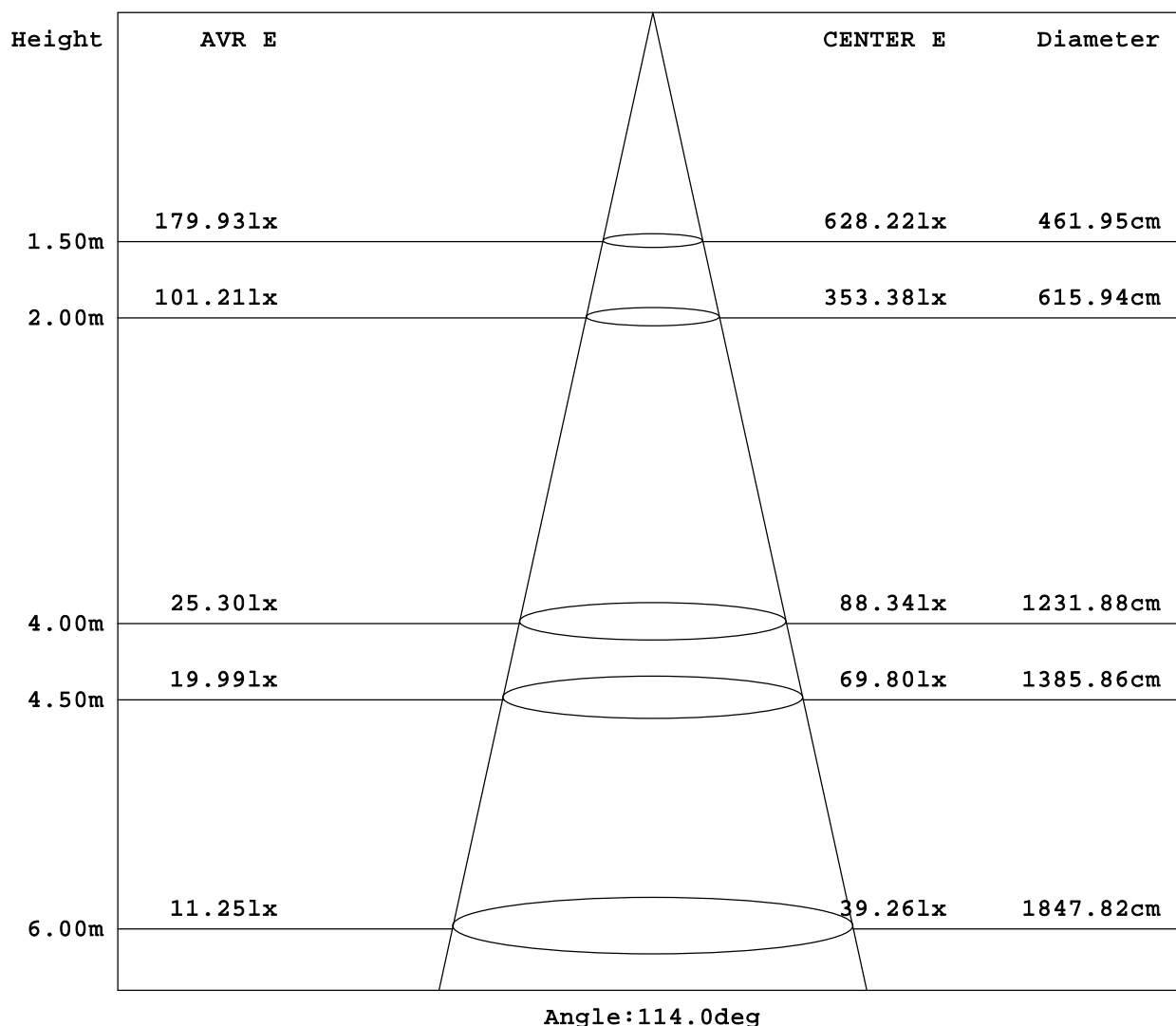
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number: 17110713

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-30120-36-NW-120	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 296x1196mm	SERIAL No.:17110713



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-11-07

Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number: 17110713

MANUFACTURER: SGSLight Limited		Address:	
NAME: TLP-30120-36-NW-120		TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80		DIMENSION: 296x1196mm	SERIAL No.:17110713

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	1412	1408	1405	1402	1403	1396	1398	1403	0- 5	33.64	33.64
10.0	1398	1396	1397	1383	1381	1373	1382	1386	5- 10	99.74	133.3
15.0	1372	1375	1365	1356	1346	1339	1343	1359	10- 15	162.6	295.9
20.0	1335	1333	1332	1310	1300	1290	1304	1314	15- 20	219.9	515.9
25.0	1284	1287	1277	1260	1243	1234	1244	1264	20- 25	270.0	785.9
30.0	1225	1226	1222	1197	1176	1167	1185	1200	25- 30	311.1	1097
35.0	1154	1156	1147	1123	1098	1091	1107	1127	30- 35	342.3	1439
40.0	1075	1077	1072	1046	1013	1011	1030	1048	35- 40	361.9	1801
45.0	983.1	985.0	976.9	951.3	920.9	914.2	932.6	955.0	40- 45	369.6	2171
50.0	886.4	888.9	882.2	858.3	820.9	820.1	835.1	858.1	45- 50	364.8	2536
55.0	776.8	779.4	770.6	747.6	710.7	706.5	724.8	749.0	50- 55	347.8	2884
60.0	666.8	667.8	659.0	638.9	598.8	595.3	614.5	638.1	55- 60	318.7	3203
65.0	547.9	544.0	538.7	522.7	485.4	482.1	496.2	517.5	60- 65	279.5	3482
70.0	429.5	421.9	418.4	407.9	367.3	370.3	377.9	399.1	65- 70	231.6	3714
75.0	311.0	303.3	300.4	291.9	256.9	256.5	268.4	284.7	70- 75	178.2	3892
80.0	202.8	189.0	182.3	186.0	151.6	158.8	159.0	176.9	75- 80	122.7	4015
85.0	98.39	88.20	94.64	91.04	58.35	74.56	81.63	83.27	80- 85	69.32	4084
90.0	10.04	3.969	6.909	7.497	6.615	4.410	4.214	4.165	85- 90	23.26	4107
95.0	1.519	4.320	5.757	5.222	11.31	4.717	4.630	4.542	90- 95	2.692	4110
100.0	2.303	4.691	4.606	4.730	11.07	5.223	5.047	4.762	95-100	2.664	4113
105.0	3.479	5.091	5.218	5.527	9.849	5.848	5.512	4.910	100-105	2.814	4116
110.0	3.919	5.556	5.831	6.284	9.457	6.486	5.978	5.126	105-110	3.016	4119
115.0	5.095	6.015	6.443	7.071	9.114	7.210	6.443	5.392	110-115	3.199	4122
120.0	5.929	6.547	7.056	7.832	11.02	8.228	6.909	5.740	115-120	3.349	4125
125.0	6.762	6.986	7.668	8.614	11.26	8.982	7.374	6.167	120-125	3.483	4129
130.0	7.938	7.683	8.281	9.295	11.46	9.638	7.840	6.482	125-130	3.528	4132
135.0	8.771	8.283	8.893	9.890	12.29	10.38	8.305	6.994	130-135	3.513	4136
140.0	9.604	8.906	9.506	10.73	12.74	10.99	8.771	7.265	135-140	3.441	4139
145.0	10.04	9.357	10.11	11.10	14.30	11.52	9.236	7.762	140-145	3.326	4142
150.0	11.22	10.07	10.73	11.87	14.69	12.02	9.702	8.298	145-150	3.099	4146
155.0	12.00	10.96	11.34	12.42	14.74	12.25	10.16	8.765	150-155	2.799	4148
160.0	12.44	11.67	11.95	12.91	14.74	12.38	10.63	9.447	155-160	2.420	4151
165.0	13.22	12.41	12.56	13.25	14.01	12.65	11.09	10.08	160-165	1.980	4153
170.0	13.62	13.17	13.18	13.89	13.62	12.56	11.56	11.06	165-170	1.479	4154
175.0	14.01	13.77	13.79	13.97	12.88	12.54	12.02	11.59	170-175	0.922	4155
180.0	14.40	14.40	14.40	14.40	12.49	12.49	12.49	12.49	175-180	0.315	4155
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-11-07

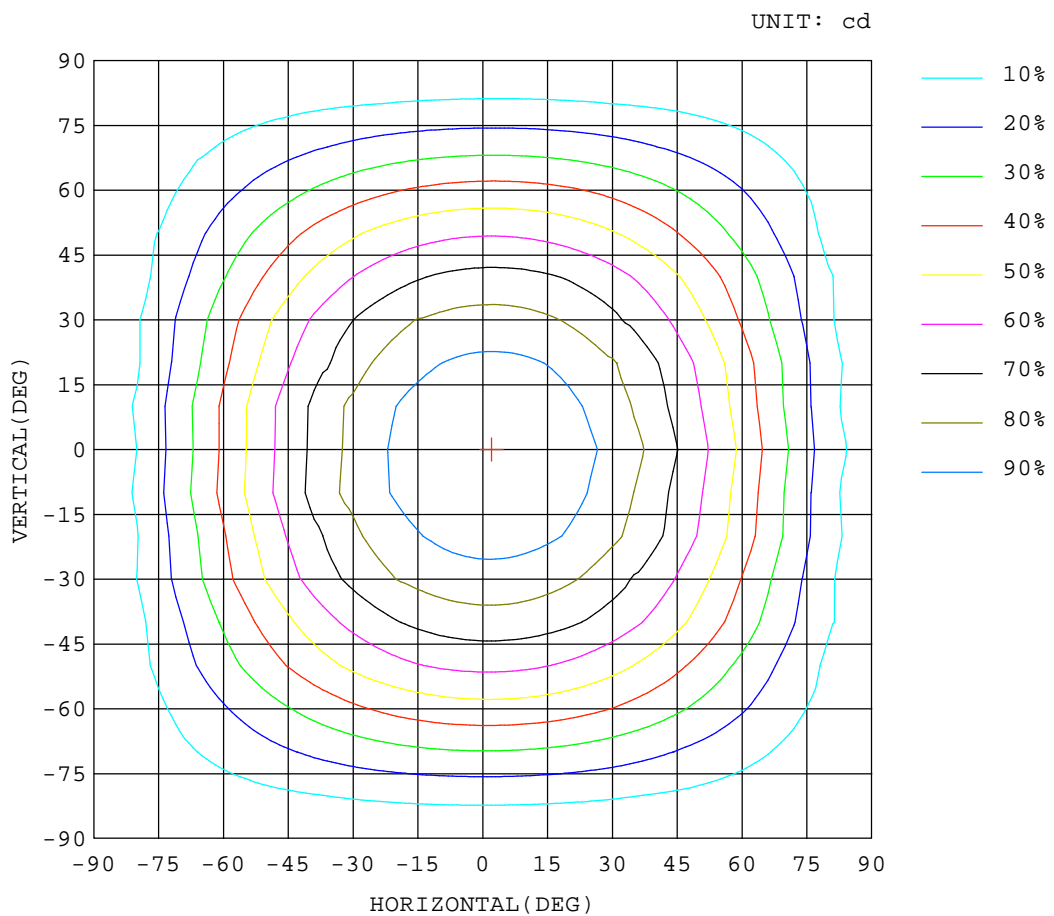
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: 17110713

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-30120-36-NW-120	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 296x1196mm	SERIAL No.:17110713



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-11-07

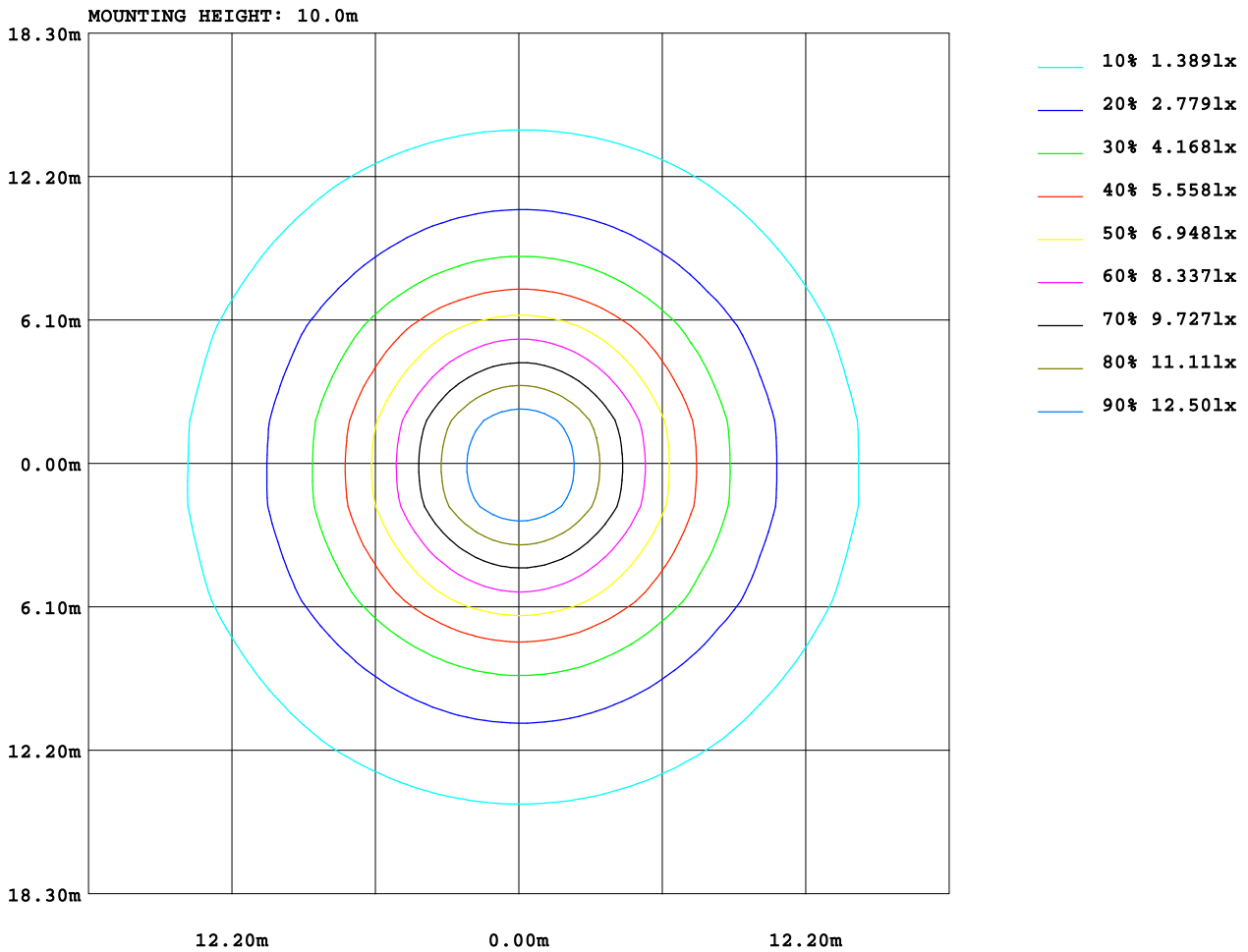
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number: 17110713

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-30120-36-NW-120	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 296x1196mm	SERIAL No.:17110713



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-11-07

Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

Uncorrected UGR Table

Report number: 17110713

MANUFACTURER: SGSLight Limited					Address:					
NAME: TLP-30120-36-NW-120					TYPE:LED Panel Light			WEIGHT:		
SPECIFICATION:4000K CRI>80					DIMENSION: 296x1196mm			SERIAL No.:17110713		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	17.6	19.1	17.9	19.3	19.6	17.6	19.1	17.8	19.3	19.5
3H	19.2	20.6	19.5	20.9	21.1	19.1	20.5	19.4	20.8	21.0
4H	19.9	21.2	20.2	21.5	21.8	19.8	21.1	20.1	21.4	21.7
6H	20.4	21.7	20.8	22.0	22.3	20.2	21.5	20.6	21.8	22.1
8H	20.6	21.8	21.0	22.1	22.4	20.4	21.6	20.8	21.9	22.2
12H	20.8	21.9	21.1	22.3	22.6	20.5	21.7	20.9	22.0	22.4
4H 2H	18.2	19.6	18.6	19.8	20.1	18.2	19.5	18.5	19.8	20.1
3H	20.0	21.2	20.4	21.5	21.8	19.9	21.1	20.3	21.4	21.8
4H	20.8	21.9	21.2	22.2	22.6	20.7	21.8	21.1	22.1	22.5
6H	21.5	22.4	21.9	22.8	23.2	21.3	22.3	21.7	22.6	23.0
8H	21.7	22.6	22.2	23.0	23.4	21.5	22.4	22.0	22.8	23.2
12H	21.9	22.7	22.4	23.1	23.6	21.7	22.5	22.2	23.0	23.4
8H 4H	21.1	22.0	21.5	22.4	22.8	21.0	21.9	21.4	22.3	22.7
6H	21.9	22.6	22.4	23.1	23.5	21.8	22.5	22.2	22.9	23.4
8H	22.2	22.9	22.7	23.3	23.8	22.1	22.7	22.6	23.2	23.7
12H	22.5	23.1	23.0	23.6	24.1	22.4	22.9	22.9	23.4	23.9
12H 4H	21.1	21.9	21.6	22.3	22.8	21.0	21.8	21.5	22.2	22.7
6H	22.0	22.6	22.4	23.1	23.5	21.8	22.5	22.3	22.9	23.4
8H	22.3	22.9	22.8	23.4	23.9	22.2	22.8	22.7	23.2	23.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 4155 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.9)

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-11-07

Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: